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Datasheet for ABIN7317697
CNTF Receptor alpha Protein (His tag)

Overview

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| Quantity: | 100 µg |
| Target: | CNTF Receptor alpha (CNTFR) |
| Origin: | Human |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This CNTF Receptor alpha protein is labelled with His tag. |

Product Details

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| Purpose: | Recombinant Human CNTFR/CNTFR-alpha Protein (His Tag)(Active) |
| Sequence: | Met 1-Pro 346 |
| Characteristics: | The amino acids sequence corresponding to (Met 1-Pro 346) of human CNTFR (NP_001833.1) was fused with a polyhistidine tag at the C-terminus. |
| Purity: | > 98 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |
| Biological Activity Comment: | Measured by its binding ability in a functional ELISA. Immobilized human CTNFR at 10 µg/ml (100 µl/well) can bind biotinylated human CNTF with a linear ranger of 1.28-160 ng/ml. |

Target Details

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| Target: | CNTF Receptor alpha (CNTFR) |
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Target Details

Alternative Name: CNTFR/CNTFR-alpha ([CNTFR Products](#))

Background: Ciliary neurotrophic factor(CNTF) is a member of the cytokine family. It is a polypeptide hormone that have functions in promoting neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. It's actions appear to be restricted to the nervous system. Ciliary neurotrophic factor(CNTF) has biological effects through the activation of a multi-subunit receptor complex, consisting of an extracellular CNTF binding subunit(CNTF α) and two transmembrane signal transduction proteins: glycoprotein gp130 and LIF receptor. CNTF is considered as a potent survival factor of neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. CNTF is also a survival factor for neurons of the peripheral sensory sympathetic, and ciliary ganglia. It has been reported that CNTF could be an agent that has therapeutic potential and possibly induces differentiation of large multipolar ganglionic phenotype in a subset of progenitors.

Synonym: CNTFR;MGC1774

Molecular Weight: 36 kDa

NCBI Accession: [NP_001833](#)

Pathways: [JAK-STAT Signaling](#), [Feeding Behaviour](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.